

1 What is claimed is:

2 1. A video display apparatus that has separate display means for textual and other visual
3 information, comprising:

4 input means that receives input signals that comprise video signals, audio signals, text
5 signals, and auxiliary information signals;

6 video display means for videos;

7 separate display means for textual information and other visual information;

8 extracting means that extracts said video signals and said text signals from said input
9 signals; and

10 display control means that transmits said video signals to said video display means and
11 said textual signals to said separate display means.

12 2. The video display apparatus in accordance with claim 1, wherein said separate display
13 means is located on the outer perimeter of said video display means.

14 3. A television receiver that has separate display means for textual and other visual
15 information, comprising:

16 input means that receives input signals that comprise video signals, audio signals, text
17 signals, and auxiliary information signals;

18 video display means for videos;

19 separate display means for textual information and other visual information;

20 extracting means that extracts said video signals, said text signals and said auxiliary
21 information signals from said input signals;

22 a predetermined format for said text signals and said auxiliary information signals so that
23 they can be distinguished from each other; and

display control means that transmits said video signals to said video display means and said text signals and said auxiliary information signals to said separate display means.

4. The television receiver in accordance with claim 3, wherein said separate display means is located on the outer perimeter of said video display means.

5. The television receiver in accordance with claim 3, wherein said auxiliary information signals comprise station names, titles of programs, remaining times of programs, local times, and weather conditions.

6. A television receiver that has separate display means for textual and other visual information, comprising:

input means that receives input signals that comprise video signals, audio signals, text signals, and auxiliary information signals;

video display means for videos;

separate display means for textual information and other visual information;

extracting means that extracts said video signals, said text signals and said auxiliary information signals from said input signals;

predetermined format for said text signals and said auxiliary information signals so that they can be distinguished from each other; and

display control means that transmits said video signals to said video display means and said text signals and said auxiliary information signals to said separate display means.

7. The television receiver in accordance with claim 6, wherein said separate display means is retractably located on the outer perimeter of said video display means.

8. A television receiver that has separate display means for textual and other visual information, comprising:

1 input means that receives input signals that comprise video signals, audio signals, text
2 signals, and auxiliary information signals;

3 video display means for videos;

4 a plurality of separate display means for textual information and other visual information;

5 extracting means that extracts said video signals and said text signals from said input
6 signals;

7 predetermined format for said text signals and said auxiliary information signals so that
8 they can be distinguished from each other; and

9 display control means that transmits said video signals to said video display means and
10 said text signals and said auxiliary information signals to said separate display means.

11 9. The television receiver in accordance with claim 8, wherein said plurality of separate
12 display means are located on the outer perimeter of said video display means.

13 10. A television receiver that has separate display means for textual and other visual
14 information, comprising:

15 input means that receives input signals that comprise video signals, audio signals, text
16 signals, and auxiliary information signals;

17 video display means for videos;

18 separate display means for textual information and other visual information;

19 extracting means that extracts said video signals, said text signals and said auxiliary
20 information signals from said input signals;

21 a predetermined format for said text signals and said auxiliary information signals so that
22 they can be distinguished from each other;

23 display control means that transmits said video signals to said video display means and
24 said text signals and said auxiliary information signals to said separate display means;

25 and

1 channel information displaying means.

2 11. The television receiver in accordance with claim 10, wherein said separate display means
3 is located on the outer perimeter of said video display means.

4 12. The television receiver in accordance with claim 10, wherein said auxiliary information
5 signals comprise station names, titles of programs, remaining times of programs, local
6 times, and weather conditions.

7 13. The television receiver in accordance with claim 10, wherein said channel information
8 displaying means displays channel information, which comprises station names, titles of
9 programs, remaining times of programs, on said separate display means whenever a
10 viewer changes channels, in case said channel information is available.

11 14. A broadcasting method that transmits auxiliary information that is to be displayed on
12 separate display means, comprising:

13 video generating means that generates video signals;

14 audio generating means that generates audio signals;

15 text signal generating means that generates text signals;

16 auxiliary information generating means that generates auxiliary information signals to be
17 displayed on separate display means of a video display apparatus; and

18 mixing means that mixes said video signals, said audio signals, said text signals, and
19 said auxiliary information signals in a separable manner.

20 15. The broadcasting method in accordance with claim 14, wherein said auxiliary information
21 signals comprise signals for station names, titles of programs, remaining times of
22 programs, local weather conditions, and local times.

1 16. A cinema display apparatus, comprising:

2 video display means;
3 separate display means for textual information and other visual information;
4 a film projector that projects videos on said video display means;
5 a textual information processing means that transmits text signals to said separate display
6 means in synchronization with said videos; and
7 synchronization means.

8 17. The cinema display apparatus in accordance with claim 16, wherein said synchronization
9 means comprises a film counter and interfacing means that sends film counter information
10 to said textual information processing means.

11 18. A cinema display apparatus that has separate display means for textual information,
12 comprising:

13 input means that receives input signals that comprise video signals, audio signals, and
14 text signals;
15 video display means for videos;
16 separate display means for textual information and other visual information;
17 extracting means that extracts said video signals and said text signals from said input
18 signals; and
19 display control means that transmits said video signals to said video display means and
20 said textual signals to said separate display means.

21 19. The cinema display apparatus in accordance with claim 18, wherein said separate display
22 means is located on the outer perimeter of said video display means.

23 20. A cinema display apparatus, comprising:

1 data processing means that decodes compressed data and generates video data, audio
2 data, and text data;
3 display means that has non-overlapping video display area and text display area;
4 a projector that projects video signals on said display means; and
5 mixing means that generates video signals for said projector by combining said video
6 data and said text data in a non-overlapping manner.

7 
Chulhee Lee

8 Jan. 3, 2002